

Form PTO-1449 (modified)  List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	Atty. Docket No.: <b>BSX:317US</b>	Serial No.: <b>10/622,293</b>
	Applicant: <b>Toby FREYMAN</b>	
	Filing Date: <b>July 17, 2003</b>	Group: <b>1633</b>
U.S. Patent Documents <i>See Page 1-2</i>	Foreign Patent Documents <i>See Page 2-3</i>	Other Art <i>See Page 3-10</i>

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A76	2002/0082679	06/27/02	Sirhan et al.	623	1.420	11/01/01
	A77	2003/0143207	07/31/03	Livesay et al.	424	93.7	10/18/02
	A78	2004/0022864	02/05/04	Freyman et al.	604	522	08/05/02
	A79	2004/0142014	07/22/04	Litvack et al.	604	500	11/10/03
	A80	2004/0175366	09/09/04	Badylak	424	93.7	03/07/03
	A81	2004/0249359	12/09/04	Palasis et al.	604	131	06/06/03
	A82	2005/0002986	01/06/05	Falotico et al.	604	500	04/21/04
	A83	2005/0013870	01/20/05	Freyman et al.	435	052	07/17/03
	A84	2005/0043678	02/24/05	Freyman et al.	604	103.01	08/20/03
	A85	2005/0181016	08/18/05	Freyman et al.	435	052	03/10/05
	A86	2005/0233443	10/20/05	Freyman	424	93.2	03/29/05
	A87	2005/158450	07/21/05	Palasis et al.	118	300	03/08/05
	A88	2006/0029720	02/09/06	Panos et al.	427	2.100	08/03/04
	A89	2007/0005011	01/04/07	Freyman et al.	604	523	06/20/05
	A90	2007/0055352	03/08/07	Naimark et al.	623	1.110	09/07/05
	A91	2007/0065414	03/22/07	Freyman et al.	424	93.700	09/16/05
	A92	2007/0178137	08/02/07	Freyman et al.	424	422	02/01/06
	A93	2007/0219526	09/20/07	Freyman	424	93.2	05/16/07
	A94	2008/0085294	04/10/08	Freyman et al.	623	1.150	10/04/06
	A95	2008/0183143	07/31/08	Palasis et al.	604	507	01/30/08
	A96	2008/0260798	10/23/08	Freyman et al.	424	423	04/29/08
	A97	2009/0138074	05/28/09	Freyman et al.	435	52	1/30/09

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A98	5,153,131	10/06/92	Wolf et al.	435	240.24	12/11/90
	A99	5,197,985	03/30/93	Caplan et al.	623	016	11/16/90
	A100	5,226,914	07/13/93	Caplan et al.	623	016	11/16/90
	A101	5,486,359	01/23/96	Caplan et al.	424	93.700	02/08/94
	A102	5,486,359	01/23/96	Caplan et al.	424	93.7	02/08/94
	A103	5,811,094	09/22/98	Caplan et al.	424	93.7	04/11/95
	A104	5,855,610	01/05/99	Vacanti et al.	623	2.13	05/19/95
	A105	5,895,411	04/20/99	Irie	606	213	05/19/97
	A106	5,951,599	09/14/99	McCrory	623	001	07/09/97
	A107	6,387,369	05/14/02	Pittenger et al.	424	93.7	03/27/00
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	A109	6,569,195	05/27/03	Yang et al.	623	1.15	06/18/01
	A110	6,669,980	12/30/03	Hansen	427	2.24	09/18/01
	A111	6,733,524	05/11/04	Tseng et al.	623	13	02/05/02
	A112	6,984,411	01/10/06	Palasis et al.	427	2.240	10/14/03
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	B38	EP 1 600 125 A2	11/30/05	EP	English

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	B42	WO 99/40874	08/19/99	WIPO	English
	B43	WO 00/06701	02/10/00	WIPO	English
	B44	WO 00/34442	06/15/00	WIPO	English
	B45	WO 01/22978	04/05/01	WIPO	English
	B46	WO 01/67991	09/20/01	WIPO	English
	B47	WO 02/096476	12/05/02	WIPO	English
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	C75	"Human mesenchymal related products and protocols," <i>Stem Cell Technologies</i> , 1-10, 2002.
	C76	"Instructions for use," <i>Poietics Human Mesenchymal Stem Cells</i> , 1-6, 2005.
	C77	"Stem cell source" and "Our manufacturing process," <i>Osiris Therapeutics, Inc.</i> , 1-2, 2005.
	C78	Agung et al., "Mobilization of bone marrow-derived mesenchymal stem cells into the injured tissues after intraarticular injection and their contribution to tissue regeneration," <i>Knee Surg. Sports Traumatol. Arthrosc.</i> , 14 (12): 1307-1314, 2006.
	C79	Annex to Form PCT/ISA/206, Communication related to the results of the partial International Search for Int. App. No. PCT/US2007/060581, August 16, 2007.

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	C81	Ausubel et al., <i>Current Protocols in Molecular Biology</i> , 1993.
	C82	Badylak et al., "Morphologic study of small intestinal submucosa as a body wall repair device," <i>Journal of Surgical Research</i> , 103(2):190-202, 2002.
	C83	Badylak et al., "Small intestinal submucosa: A substrate for in vitro cell growth," <i>Journal of Biomaterials Science Polymer Edition</i> , 9(8):863-878, 1998.
	C84	Badylak et al., "Strength over time of a resorbable bioscaffold for body wall repair in a dog model," <i>Journal of Surgical Research</i> , 99(2):282-287, 2001.
	C85	Barry et al., "Mesenchymal stem cells: clinical applications and biological characterization," <i>The Int. J. Biochemistry and Cell Biology</i> , 36 (4): 568-584, 2004.
	C86	Chamberlain, "Transforming growth factor-beta: a promising target for anti-stenosis therapy," <i>Cardiovasc. Drug Rev.</i> , 19 (4): 329-344, 2001.
	C87	Cho et al., "Mobilized bone marrow stem cells accelerate reendothelialization, reduce vascular inflammation, and prevent restenosis after intravascular radiation," <i>J. Amer. College Cardiol.</i> , 41 (6): Supp. A., 33a, 2003.
	C88	<i>Controlled Drug Bioavailability</i> , Drug Product Design and Performance, Smolen and Ball (eds.), Wiley, New York, 1984.
	C89	Dai et al., "Allogenic mesenchymal stem cell transplantation in postinfarcted rat myocardium: short- and long-term effects," <i>Circulation</i> , 12: 214-223, 2005.
	C90	Davis et al., (eds.), <i>Basic Methods in Molecular Biology</i> , 2 <sup>nd</sup> ed., Appleton & Lange, Norwalk, Conn., 1994.
	C91	de Boer et al., "Fibrin and activated platelets cooperatively guide stem cells to a vascular injury and promote differentiation towards an endothelial cell phenotype," <i>Arterioscler. Thromb. Vasc. Biol.</i> , 26 (7): 1653-1659, 2006.
	C92	Devine et al., "Mesenchymal stem cells are capable of homing to the bone marrow of non-human primates following systemic infusion," <i>Experimental Hematology</i> , 29: 244-255, 2001.

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### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

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	C94	Dracopoli et al., <i>Current Protocols in Human Genetics</i> , John Wiley & Sons, NY, Chapters 12 & 13, 1994.
	C95	Evans et al., "Novel 3D culture system for study of cardiac myocyte development," <i>American Journal of Physiology</i> , 285(2):H570-H578, 2003.
	C96	Gage, "Cell therapy," <i>Nature</i> , 392 (6679): 18-24, 1998.
	C97	Gepstein, "Stem cells as biological heart pacemakers," <i>Expert Opin. Biol. Ther.</i> , 5 (12): 1531-1537, 2005.
	C98	Heeschen et al., "Profoundly reduced neovascularization capacity of bone marrow mononuclear cells derived from patients with chronic ischemic heart disease," <i>Circulation</i> , 109: 1615-1622, 2004.
	C99	Ho and Wang, <i>Animal Cell Bioreactors</i> , Butterworth-Heinemann, Boston, 1991.
	C100	Hodde et al., "Vascular endothelial growth factor in porcine-derived extracellular matrix," <i>Endothelium</i> , 8 (1): 11-24, 2001.
	C101	International Search Report, issued in Int. App. No. PCT/US05/010146, mail date July 26, 2005.
	C102	International Search Report, issued in Int. App. No. PCT/US2004/023187, mail date October 29, 2004.
	C103	Invitation to Pay Additional Fees and Annex to Form PCT/ISA/206, issued in Int. App. No. PCT/US2007/060581, mail date March 26, 2007
	C104	Jackson et al., "Regeneration of ischemic cardiac muscle and vascular endothelium by adult stem cells," <i>The J. of Clinical Investigation</i> , 107: 1395-1402, 2001.
	C105	Jaquet et al., "Reduction of myocardial scar size after implantation of mesenchymal stem cells in rats: what is the mechanism?" <i>Stem Cells and Development</i> , 14: 299-309, 2005.

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Exam. Init.	Ref. Des.	Citation
	C106	Javazon et al., "Mesenchymal stem cells: paradoxes of passaging," <i>Experimental Hematology</i> , 32 (5): 414-425, 2004.
	C107	Javazon et al., "Rat marrow stromal cells are more sensitive to plating density and expand more rapidly from single-cell-derived colonies than human marrow stromal cells," <i>Stem Cells</i> , 19 (3): 219-225, 2001.
	C108	Kopen et al., "Marrow stromal cells migrate throughout forebrain and cerebellum, and they differentiate into astrocytes after injection into neonatal mouse brains," <i>PNAS</i> , 96: 10711-10716, 1999.
	C109	Krabbe et al., "Neural transdifferentiation of mesenchymal stem cells--a critical review," <i>ARMIS</i> , 113: 831-844, 2005.
	C110	Kriegler, <i>Gene Transfer and Expression, A Laboratory Manual</i> , Stockton Press, NY, 1990.
	C111	le Blanc and Ringden, "Mesenchymal stem cells: properties and role in clinical bone marrow transplantation," <i>Current Opinion in Immunology</i> , 18: 1-6, 2006.
	C112	Lu et al., "Muscle derived stem cells seeded into acellular scaffolds develop calcium-dependent contractile activity that is modulated by nicotinic receptors," <i>Urology</i> , 61:1285-1291, 2003.
	C113	Lucas et al., "Effect of rat mesenchymal stem cells on development of abdominal adhesions after surgery," <i>J. Surg. Res.</i> , 62 (2): 229-232, 1996
	C114	Mackenzie et al., "Human mesenchymal stem cells persist, demonstrate site-specific multipotential differentiation and are present in sites of wound healing and tissue regeneration after transplantation into fetal sheep," <i>Blood Cells Mol. Disc.</i> , 27 (3): 601-60, 2001.
	C115	McClain et al., "Mesenchymal cell activation is the rate-limiting step of granulation tissue induction," <i>Am. J. Pathol.</i> , 149: 1257-1270, 1996.
	C116	<i>Medical Applications of Controlled Release</i> , Langer and Wise (eds.), CRC Pres., Boca Raton, Florida, 1974.
	C117	Minguell et al., "Mesenchymal stem cells," <i>Society for Experimental Biology and Medicine</i> , 226 (6): 507-520, 2001.

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	C119	Nardi et al., "Mesenchymal stem cells: isolation in vitro expansion and characterization," <i>Handbook Experimental Pharmacology</i> , 174: 249-282, 2006.
	C120	Office Action, in U.S. Patent App. No. 10/892,518, mailed August 3, 2006. (BSX-303-US)
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	C126	Office Action, in U.S. Patent App. No. 11/076,328, mailed October 2, 2008. (BSX-317-CIP)
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	C132	Office Action, in U.S. Patent App. No. 11/344,156, mailed April 24, 2008. (BSX:325US)
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	C134	Office Action, in U.S. Patent App. No. 11/749,522, mailed April 2, 2009. (BSX:324USC1)
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	C147	Rauscher et al., "Aging, progenitor cell exhaustion, and atherosclerosis," <i>Circulation</i> , 108: 457-463, 2003.
	C148	Riches, "Macrophage involvement in wound repair, remodelin, and fibrosis," <i>The molecular and cellular biology of wound repair (Second Edition)</i> , Plenum Press, New York, 95-141, 1996.

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	C150	Schmidt et al., "Clonality analysis after retroviral-mediated gene transfer to CD34+ cells from the cord blood of ADA-deficient SCID neonates," <i>Nature Medicine</i> , 9(4): 463-468, 2003.
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Form PTO-1449 (modified)		Atty. Docket No.: BSX:317US	Serial No.: 10/622,293
List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Applicant: Toby FREYMAN	
		Filing Date: July 17, 2003	Group: 1633
U.S. Patent Documents <i>See Page 1-2</i>	Foreign Patent Documents <i>See Page 2-3</i>	Other Art <i>See Page 3-10</i>	

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C162	Zantop et al., "Extracellular matrix scaffolds are repopulated by bone marrow-derived cells in a mouse model of achilles tendon reconstruction," <i>J. Orthop. Res.</i> , 24 (6): 1299-1309, 2006.
	C163	Zipori et al., "Phenotypic heterogeneity among stromal cell lines from mouse bone marrow disclosed in their extracellular matrix composition and interactions with normal and leukemic cells," <i>Blood</i> , 66 (2): 447-455, 1985.

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